

POST

# Quantum Literacy

September 24, 2020

Google ... IBM ... Harvard Business Review





---"Nature  
isn't classical,  
darn-it ..."

- Jed Anderson

## Quantum Literacy in the Environmental Profession

Soon everyone in the environmental profession will have access to quantum computing (see some of the latest headlines and articles below). Already NISQ **cloud-based services** ([http://r20.rs6.net/tn.jsp?f=0018df53FrKZLMTh\\_X3u\\_iT6bco7aDFUSiMqO8f4FG1Ek3EYrXx3q9QQ9rUF1mIyD-kvqFKtEokadGJKhiNxcYx6R-U9ZpjcLa6xUDaTUa3-N](http://r20.rs6.net/tn.jsp?f=0018df53FrKZLMTh_X3u_iT6bco7aDFUSiMqO8f4FG1Ek3EYrXx3q9QQ9rUF1mIyD-kvqFKtEokadGJKhiNxcYx6R-U9ZpjcLa6xUDaTUa3-N))

Dl11RA0oS2qe7-EVRVevT8\_ZyaoEYy8XW5eh6owe\_PBUmNuz4L2SHKM7g59xblk-1koTiUeDt1DnHNaFtM4PSMI242JPbtL84vFWTZtJbiIxdLzkzJfHJHNJnaYtoFu45GqdFir-Ape5kn6o2NO-cQ&c=&ch=) are available.

The question is ... will everyone in the environmental profession be prepared with questions to ask a quantum computer about how to optimize different facets of environmental protection? For that, I'm urging everyone in the environmental profession gain some basic quantum literacy. It will help you immensely to formulate questions and prepare for opportunities. I have prepared materials to help people get started ([http://r2o.rs6.net/tn.jsp?f=0018df53FrKZLMTh\\_X3u\\_iT6bco7aDFUSiMqO8f4FG1Ek3EYrXx3q9QQ9rUF1mIyD-kN4fd7NGKI8JRzmbInDlofxJXPZPpQfKnoagyqClxlMIqNtMsHbiIA22MvP5qljHzYR78dBe5mYfDiPYoF32-MQ==&c=&ch=\)](http://r2o.rs6.net/tn.jsp?f=0018df53FrKZLMTh_X3u_iT6bco7aDFUSiMqO8f4FG1Ek3EYrXx3q9QQ9rUF1mIyD-kN4fd7NGKI8JRzmbInDlofxJXPZPpQfKnoagyqClxlMIqNtMsHbiIA22MvP5qljHzYR78dBe5mYfDiPYoF32-MQ==&c=&ch=))).

---“Environmental problems are just optimization problems. They’re TSP-hard, but it’s just variables and probabilities. That’s the wheelhouse of quantum simulation.”

- Jed Anderson Creator, EnviroAI

# Harvard Business Review

TECHNOLOGY

## Are You Ready for the Quantum Computing Revolution?

by Shohini Ghose

September 17, 2020

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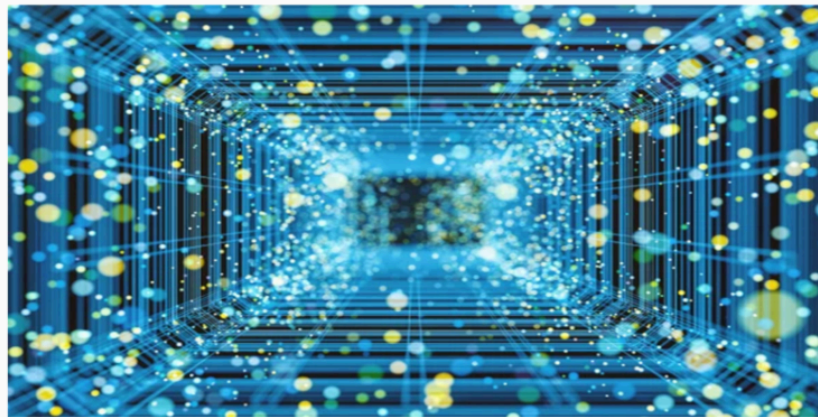
Sandipkumar Patel/Getty Images

SCIENTIFIC  
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COMPUTING

## Google's Quantum Computer Achieves Chemistry Milestone

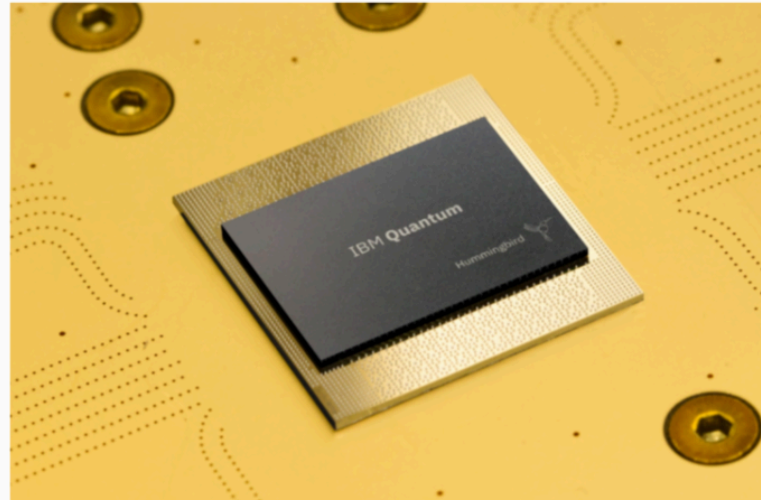
A downsized version of the company's Sycamore chip performed a record-breaking simulation of a chemical reaction



## IBM publishes its quantum roadmap, says it will have a 1,000-qubit machine in 2023

Frederic Lardinois @fredericl / 5:00 am CDT • September 15, 2020

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